

TOBACCO INDUSTRY RESEARCH COMMITTEE  
350 FIFTH AVENUE NEW YORK 1, N. Y.

6. Budget Form

Application For Research Grant

Date: April 2, 1956

1. Name of Investigator:  
2. ~~Address~~ **W. R. H. Rigdon, M.D.**
2. Title: **Professor of Pathology, Director, Laboratory of Experimental Pathology**
3. Institution & Address: **University of Texas Medical Branch  
Galveston, Texas**
4. Project or Subject: **Cancer of the Lung in All Hemipneumonectomized at J. H. Rigdon, M.D., Galveston, Texas. Southern Medical J., 44: 500, 1951. 4/7/51**
5. Detailed Plan of Procedure (Use reverse side if additional space is needed):
- Compile all references pertaining to cancer of the lung.
  - Prepare paper on cancer of the lung between 1900 and 1930.
  - Prepare paper on cancer of the lung between 1930 and 1955.
  - Check cases of cancer of the lung so diagnosed in hospital with ultimate diagnosis as recorded on death certificates.

At this time we have approximately 4,000 references pertaining to cancer of the lung. We would like to complete this project which we feel is now 75 percent completed. At this time it is our plan to compile these references in a book form which can be published. In this project we would like to separate the papers pertaining to specific subjects, in order that the references would be of greater value to those interested in the field of cancer of the lung. In compiling these references we are obtaining all available publications throughout the world and checking the bibliographies. We are availing ourselves of all the standard works, such as the Surgeon Generals Index, Index Medicus, etc. We have been impressed so far by the important studies made by many investigators throughout the world on the subject of cancer of the lung.

We have compiled some of the data referable to cancer of the lung before 1900. This is published in an article entitled "Cancer of the Lung before 1900: A Historical Review" in Texas Reports on Biology and Medicine, 13: 933, 1955. We would like to compile the data from 1900 to 1930, and also from 1930 to 1955, in a similar manner. It is impressive to note that in the period from 1900 to 1930 the numerous studies referable to the increase of cancer of the lung and also the many reports on the etiology of cancer of the lung. In the period between 1930 and 1955 we are impressed by the tremendous number of publications and the continuation of the discussion as to whether cancer of

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the lung is on the increase or not. Also, this is the period in which the emphasis has been placed on smoking as a cause of cancer of the lung. A knowledge of what has gone on before should be carefully evaluated.

It has been my opinion, and still is, that many cases of cancer of the lung have not been recognized clinically in the past. Furthermore, it is my opinion that the term "cancer" has been avoided by many physicians in filling out death certificates because of the stigma attached to anyone having cancer. These and associated factors have caused me, as a pathologist, to question the accuracy of our vital statistics referable to cancer of the lung. To study this problem, we would like to review the cases of cancer of the lung, so diagnosed in our institution, and, if death has occurred, to check the vital statistics to establish the cause of death as given on the death certificate. In compiling the cases of cancer of the lung from our institution over a period of ten years, we may be able to evaluate this problem. In my way of thinking, the rapid increase of cancer of the lung may be influenced by improved diagnoses and the fact that "cancer" as a cause of death has been used more frequently during the last several years on death certificates.

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6. Budget Plan:

|                     |             |
|---------------------|-------------|
| Salaries            | \$ 6,000.00 |
| Expendable Supplies | 1,200.00    |
| Permanent Equipment |             |
| Overhead            | 1,117.50    |
| Other               | 250.00      |
| Total               | 8,567.50    |

7. Anticipated Duration of Work: R. H. Rigdon, M.D.

2. One-half of this project can be completed within a year; however, the second half will require approximately two years for completion.

3. We have many records now in the department referable to these cases of cancer of the lung, namely of Texas Medical Branch.

Mrs. Helen Kirchoff who is familiar with the entire problem of lung cancer will carry on the large share of the particular problem. Previous publications from this laboratory will show what she has done along this line:

4. Frequency of Cancer of the Lung in all Malignancies Studied at Autopsy. Rigdon, R. H. and Kirchoff, Helen. Southern Medical J., 44: 506, 1951. RE OVER

9. Additional Requirements:

- Compile all references pertaining to cancer of the lung.
- Statistical study on cancer of the lung between 1900 and 1930.
- ~~Statistical study on cancer of the lung between 1930 and 1955.~~
- Check listed of cancer of the lung so diagnosed in hospital.

None to estimate diagnosis as recorded on death certificates.

5. Detailed Plan of Procedure (Use reverse side if additional space is needed).

10. Additional Information (Including relation of work to other projects and other sources of supply):

At this time we have approximately 4,000 references pertaining to cancer of the lung. Compiling the references on the subject of cancer of the lung may help to familiarize present day investigators with the tremendous amount of work that has been done in the past. This project we would like to separate into papers pertaining to statistical subjects. In order that the references would be of the statistical study will be of help in evaluating the problem of cancer of the lung. This is essential, in my opinion, when we are attempting to attribute the increase to various etiological factors. We are availing ourselves of all the standard works, such as the Cancer General Index, Index Medicus, etc. This study has been supported for the past three years by the American Tobacco Co. tigators throughout the world on the subject of cancer of the lung.

We have compiled some of the data referable to cancer of the lung before 1900. This is published in an article entitled "Cancer of the Lung before 1900: A Historical Review" in Texas Reports on Biology and Medicine, 13: 933, 1955. We would like to compile the data from 1900 to 1930, and also from 1930 to 1955, in a similar manner. It is impressive to note as in the period from 1900 to 1930 the numerous studies referable to the increase of cancer of the lung. We have the many reports on the etiology of cancer of the lung. In the period between 1910 and 1939 we are Signatures of R. H. Rigdon, member of the American Tobacco Co. and the continuation of the study to whether cancer of

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8. Facilities and Staff Available - continued

Accuracy of Death Certificates for Establishing and Frequency of Cancer as Shown by Autopsy. Rigdon, R. H. and Kirchoff, Helen. Texas Reports on Biology and Medicine, 9: 652, 1951.

A Consideration of Some of the Theories Relative to the Etiology and Incidence of Lung Cancer. Rigdon, R. H. and Kirchoff, Helen. Texas Reports on Biology and Medicine, 10: 76, 1952.

Frequency of Cancer in the White and Colored Races as Observed at Autopsy between 1920 and 1949 at the Medical Branch. Rigdon, R. H., Kirchoff, Helen, and Walker, Mary Lee. Texas Reports on Biology and Medicine, 10: 914, 1952.

Smoking and Cancer of the Lung - Let's Review the Facts. Rigdon, R. H. and Kirchoff, Helen. Texas Reports on Biology and Medicine, 11: 715, 1953.

Smoking Habits of College Students in Texas. Kirchoff, Helen and Rigdon, R. H. Texas Reports on Biology and Medicine, 12: 292, 1954.

Smoking Habits of 21,612 Texans. Kirchoff, Helen and Rigdon, R. H. To be published in J. National Cancer Institute, March, 1956.

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